

Date: Sun, 13 Feb 94 04:30:13 PST  
From: Ham-Ant Mailing List and Newsgroup <ham-ant@ucsd.edu>  
Errors-To: Ham-Ant-Errors@UCSD.Edu  
Reply-To: Ham-Ant@UCSD.Edu  
Precedence: Bulk  
Subject: Ham-Ant Digest V94 #31  
To: Ham-Ant

Ham-Ant Digest                      Sun, 13 Feb 94                      Volume 94 : Issue    31

Today's Topics:

                    Antenna for trade...  
                    Coax, Baluns & Dipoles  
                    Copper Dual-Band Super J-Pole Antenna  
                    J-Pole Design Needed  
                    Need Recommendation for Vertical (2 msgs)

Send Replies or notes for publication to: <Ham-Ant@UCSD.Edu>  
Send subscription requests to: <Ham-Ant-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Ant Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-ant".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: 8 Feb 1994 20:02:19 GMT  
From: pa.dec.com!src.dec.com!src.dec.com!estrella@decwrl.dec.com  
Subject: Antenna for trade...  
To: ham-ant@ucsd.edu

Posting for my brther who doesn't have an account.

\*\*\*\*\*

I have a Cushcraft R7 vertical antena I want to trade for a good  
solid state transceiver ( cash make up with antenna if necesary if  
it is a great deal )

I can be rethead by ham radio KD6VTZ or at (408)279-6028 if I'm  
no there just leave a phone number and I'll return your call asap.

Luis Estrella

\*\*\*\*\*  
Or you can E-Mail me and I'll give him your message.

John Estrella.

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Date: Fri, 11 Feb 1994 06:21:07 GMT  
From: netcomsv!netcom.com!wa2ise@decwrl.dec.com  
Subject: Coax, Baluns & Dipoles  
To: ham-ant@ucsd.edu

In article <francis4-080294154350@dfrancis.apple.com> francis4@applelink.apple.com (Dexter Wm. Francis) writes:

>I'd like to build a simple vertical with two pieces of 3/4" copper or  
>aluminum pipe - "center" fed with coax. Do I need a balun or would it  
>be just as good to do a an "unfolded" J pole? 1/4 wave matching section,  
>co-linear with a 3/4 wave section? (Is this not a vertical Zepp?)  
>

What you could do when you feed the dipole with the coax is to make an RF choke by making a coil in the coax feedline about 3 inches in diameter (not critical) with a few turns. Keeps RF current off the outside of the coax outer conductor. Or use some clip on ferrite beads (the sort used for RFI suppression) on the coax.

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Date: Fri, 11 Feb 1994 20:35:08 GMT  
From: agate!apple.com!gallant.apple.com!kielbasa.apple.com!user@ames.arpa  
Subject: Copper Dual-Band Super J-Pole Antenna  
To: ham-ant@ucsd.edu

In article <CKw8Eu.8n0@on.bell.ca>, ydupont@Qc.Bell.CA (Yvan Dupont) wrote:

> Did someone build that antenna from KA0NAN that was on the April issue  
> of "73 Amateur Radio Today"? What are your experience with it? Ease of  
> construction and performance???

Yes, I built one and it seems to work just fine (at least on 2m and 440, I don't have 220). The antenna is a 'cactus j-pole' triband for 2m/220/440 built from copper water pipe and fittings. SWR tune up was easy; I used plain stainless steel band clamps to hold the coax connections in place. SWR is 1.5:1 or better on 2m, 1.2:1 or better on 440.

Additions: I put caps on the bare ends of the matching stubs and the

top of the antenna. These also allow fine-tuning of the element lengths to be done very easily, and keep water and bugs out to boot.

Hardest part was soldering all the pieces (copper is such a good conductor of heat) -- a propane torch is mandatory. Lots of joints are in close proximity, so heating one heated them all... I made a bunch of wood blocks that were used as spacers, and along with some clamps kept all the pieces in alignment during soldering.

Total construction time was a couple of hours or so.

Don North ---- Apple Computer, Inc. ---- Advanced Technology Group  
...!apple!north north@apple.com NORTH KD6JTT etc,etc,etc  
{ Facts are facts, but any opinions expressed are my own, and \*do not\* }  
{ represent any viewpoint, official or otherwise, of Apple Computer, Inc }

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Date: 8 Feb 1994 15:27:48 GMT  
From: foxhound.dsto.gov.au!fang.dsto.gov.au!yoyo.aarnet.edu.au!  
news.adelaide.edu.au!basser.cs.su.oz.au!news.cs.su.oz.au!metro!  
dmssyd.syd.dms.CSIRO.AU!dmsperth.per.dms.@@munnari.oz.au  
Subject: J-Pole Design Needed  
To: ham-ant@ucsd.edu

In article <1994Feb8.010922.26927@newsgate.sps.mot.com>, Rick Aldom writes:  
|>  
|> Has anyone tried this type of J pole as a dual band antenna. I have a  
|> "copper cactus" and it works well on both 2mtr and 70 cm.....

Actually, I am looking for the design for this very antenna. Anyone that could forward it to me directly (or post it)? Sure would be appreciated.

|> I am  
|> looking for a good dual band antenna for my suzuki sidekick. The problem  
|> is the lack of a good ground plane. Another design point is I would like  
|> it to fit through the garage door. I can mount it fairly low towards the  
|> bumper if required.

I don't know if you are looking for a commercial or homebrew only. If you are considering commercial, Sinclair (or Sinclabs) has a nice selection of which some do not require much ground plane (some require none).

No connection to that company... I just have some of their products.

Wayne VE3WQS  
salhany@bnr.ca

#include<std.company.disclaimer>

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Date: Fri, 11 Feb 1994 20:56:08 GMT  
From: elroy.jpl.nasa.gov!swrinde!cs.utexas.edu!howland.reston.ans.net!  
sol.ctr.columbia.edu!spool.mu.edu!torn!nott!cunews!freenet.carleton.ca!  
FreeNet.Carleton.CA!ai058@ames.arpa  
Subject: Need Recommendation for Vertical  
To: ham-ant@ucsd.edu

Hi all,

I will be moving from an apartment to a house this spring and am looking forward to getting back on HF. The home I will be buying has a very small lot so most wire antennas won't fit. I would like to try an all band (80 to 10) commercial vertical but don't know which one. The antenna will be either roof mounted or mounted on a short tower. It seems like there are several makes: Butternut, GAP, Telrex, Hi-gain, etc. Could anyone with experience with these or other makes please e-mail me with their comments, pro or con.

Thanks in advance, 73, Rick VE3QV

--  
Rick Bushnell     VE3QV     Ottawa, Ontario, Canada  
ai058@freenet.carleton.ca

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Date: 12 Feb 94 19:18:21 GMT  
From: agate!news.Brown.EDU!noc.near.net!news.delphi.com!BIX.com!  
hamilton@network.ucsd.edu  
Subject: Need Recommendation for Vertical  
To: ham-ant@ucsd.edu

ai058@FreeNet.Carleton.CA (Rick Bushnell) writes:

>Hi all,

>I will be moving from an apartment to a house this spring and am looking  
>forward to getting back on HF. The home I will be buying has a very small  
>lot so most wire antennas won't fit. I would like to try an all band (80  
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>experience with these or other makes please e-mail me with their comments,  
>pro or con.

>Thanks in advance, 73, Rick VE3QV

>--

>Rick Bushnell VE3QV Ottawa, Ontario, Canada

>ai058@freenet.carleton.ca

I've been thinking about a vertical also and been collecting opinions everywhere I could. And while I cannot speak from experience (I haven't yet bought anything), the consensus seems to be that the Cushcraft R5 and R7 antennas work very, very well (have not heard one single negative comment, nor was the QST review less than very positive). Don't know so much about the others, though I have noticed several posts (just in the last few days) that the GAP antenna does not work so well. YMMV.

Regards,

Doug Hamilton hamilton@bix.com Ph 508-358-5715

Hamilton Laboratories, 13 Old Farm Road, Wayland, MA 01778-3117

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End of Ham-Ant Digest V94 #31

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